



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

AKERS, Douglas, W.

Serial No.: 09/932,531

Filing Date: August 17, 2001

For: METHOD AND APPARATUS FOR
PHOTON ACTIVATION POSITRON
ANNIHILATION ANALYSIS

Examiner: Palabrica, R.J.

Group Art Unit: 3641

Conf. No.: 4276

6/9
8/16/02
Hednes

AMENDMENT UNDER 37 C.F.R. §§ 1.111 & 1.121

The Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

In response to the office action, paper number 5, dated March 19, 2002, please amend the
above-identified patent application as follows:

In the Specification:

Please replace paragraph 0002 on page 1 with the following rewritten paragraph:

A1

--This invention relates generally to non-destructive testing of materials and more
specifically to methods and apparatus for performing non-destructive testing of materials
using positron annihilation.--

Please replace paragraph 0005 on page 2 with the following rewritten paragraph:

A2

--In one type of positron annihilation technique, positrons from a radioactive source
(e.g., ^{22}Na , ^{68}Ge , or ^{58}Co) are directed towards the material to be tested. Upon reaching the

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01 FC:103 72.00 CH
02 FC:102 252.00 CH